



# FEEDLINE



BULLETIN OF THE CANTON AMATEUR RADIO CLUB  
Affiliated with the "American Radio Relay League"

JUNE....1990

PRES - Joe Vignos	W1FEZ	SECY - Sandy Shrigley	KB8FZX
VICE PRES - Frank Dearman	W8TUJ	EDITOR - Bill Parks	KBJZN
TREAS - Larry Schmader	K8RMY	ASST - Mickie Parks	XYL

## Trustees

Kay McCune	W8LNL	Myron Koyle	N8DHT
Randy Phelps	K8BJN	Robert Carswell	K8BMNS
Dave Ost	W8PTU	Craig Stucker	N8KNW

The C A R C meets the third Wednesday of the month at 7:30 PM.

NEXT MEETING IS JUNE 20th at the EMERGENCY PREPAREDNESS CENTER.

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## TMMC HEALTH RUN

I do not know why, but it seems Mother Nature does not want to cooperate when a public service event is planned. On May 5th, Timken Mercy Medical Center sponsored their annual Health Run. It was cold and damp from the drizzle and the temperature fell all day. Some felt this type of weather was much better than hot and sunny for the runners buuuuuut!!!!

In spite of the weather, the estimate was that 500 or better, participated in the run. A lot of huffin' and puffin' but the runners seemed to enjoy the event.

Dave Beltz W8BAYE (our Stark County Emergency Coordinator) coordinated the radio communications for the run. Besides Dave, Julius Erdos K8BXD, Tom Streb N8KZZ and Jim Miller N8MAA provided the communications. A couple others monitored, in case additional help was requested.

Fine job fellows.



## GE ELECTRONIC SERVICE

GE Electronic Services now offer factory authorized service on Kenwood and Yeasu Amateur Radio equipment with fixed price service. Fixed price service includes all labor and most parts. Exclusions are: lightning damage, equipment modified so as to interfere with diagnosis and repair, abused equipment and individual parts with a unit value exceeding \$10.00.

They will align and performance tune any Kenwood or Yeasu radio for \$60.00. This service is also performed at no additional cost on all radios sent in for repair.

To discuss your particular service requirements, contact: Gary Frisch WJ9G, GE Electronic Services, 1062 Tower Lane, Bensenville, IL 60106. Phone (708) 595-4343.

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## VOLUNTEER EXAMS

On Saturday May 26th, WB8VUN and his team of volunteers, gave 14 people Amateur exams. Results, we have one new Advanced Class, two new General Class, five new Technician Class and one new Novice Class Amateur in the area. Plus three others that have Certificate of Completions for having passed an element but no upgrade. Only two failed to gain out of the fourteen applicants.

From Stark County, Bob Kiplinger N8LFN from Massillon, up-graded to Advanced Class, Bruce Dunn KB8IYT from Massillon, up-graded to General Class and Jarrod Kinsley KB8KAM from Canton to Technician. After taking the exam and passing, he asked what to do because he had not received his Novice call in the mail. They explained the papers would be held by the ARRL until they received a copy of the Novice license and then would process the papers. Jarrod left and returned a short time later. In his hand was his license that was in his mailbox when he got home. Needless to say, he was a very happy fellow as the boys finished the paperwork and Jarrod was now a Technician licensee.

Next volunteer exam session in Stark County will be on Saturday August 25th.

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## FOOTBALL HALL OF FAME PARADE

It is nearing that time when Football's greatest week happens in Canton Ohio. As you know, the area Amateurs provide the ever important radio communications for Kickoff Sunday and the Grand Parade the following weekend.

Myron Koyle N8DHT will coordinate radio communications for the foot races Sunday morning July 29th, Dick Stellarini WB8VUN the Kickoff Parade and Bill KBJZN the Grand Parade on Saturday August 4th. We have started to recruit the volunteers for these events. If you want to participate, please contact these coordinators and get your name on the list of volunteers.



Thanks to all you volunteers, the parades and events just keep getting bigger and better each year. With the increased exposure on TV, the Grand Parade has become well known and is seen all over the country and we Hams are a big part of the success.

Contact the coordinators now and get your name on their lists.

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#### SIMULATED DISASTER DRILL

On May 12th, Stark County had one of the biggest Simulated Disaster Drills. (See following article for details.) There appeared a nice article in the Repository about the drill, but once again, NO MENTION OF THE AMATEUR RADIO COMMUNICATIONS. Thanks to Larry Evans WA8DDN, in the Letters to the Editor, he informed the public of this omission in a well written letter as follows;

"This concerns the page 1 story May 13 by Debbie Blake about a mock disaster in Stark County. Many Amateurs took part in this drill. They provided radio communications between the hospitals and other key points in Stark County. The article made no mention whatsoever of Amateur Radio.

It is very sad that tragedy showcases Amateur Radio. In times of disaster, such as Hurricane Hugo and the great earthquakes in recent years, Radio Amateurs have come forth in organized groups and as individuals, to help their fellow man. They spend countless hours, provide their own equipment, drive their own vehicles and ask nothing in return. They are not reimbursed in any way. The very least that the Repository should do, is to give them recognition. I am writing as an observer, but I am proud to say that I am an Amateur Radio Operator."

Larry S. Evans  
Malvern

Thanks Larry, for setting them straight in giving recognition.

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FOR SALE - Brand new Icom IC-2GAT two meter hand-held, still in box. Reason for selling, it was won at the Breezeshooters Hamfest and don't need another hand-held. Save a bundle off regular list price. If interested, call Bob Cronauer NBAHJ on 724-9749 for a good bargain.

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#### 1990 STARK COUNTY AMATEUR DIRECTORY

Enclosed in this issue, is the first up-date to the 1990 directory. As in the past, as soon as I compile a full page of changes and new hams, the up-date is published.

To date, most of the full and sustaining members of CARC, have picked up their free copy and over one hundred copies have been given to those that donated one dollar to the club. Tell all your buddies about the 1990 directory and ask them if they have a copy or two. If they do not, tell them to see Bill KBJZN or offer to pick up a copy or



two for them. It is the most used book in my shack.

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### SIMULATED DISASTER DRILL

On Saturday May 12, 1990, a mock disaster was held in Stark County, simulating three tornado touch-downs the first in Navarre area, then in Canton and on into Hartville.

Even though it's been a couple years since we had a county wide disaster drill, everything went well. There always seems to be new problems that arise during a drill, but I guess that's the idea of having such a drill, so we can find where the problems exist and make corrections. The biggest problem in the past was that there was too much traffic for one repeater or frequency to handle. This time we made use of the following repeaters; 147.12, 146.79, 147.18, 145.49, as well as 145.62 simplex at the E.O.C. Also Packet communications was established and ready to go, but was not used. Now with the added use of more repeaters, the past problem was solved and worked out very well.

The E.O.C. was opened for the first time for any drill, since it was built and served as central control point. The biggest of all problems showed up here. There was not enough radios available or antennas to use during the drill. The problem was handled as well as could be expected (a recommendation to solve this problem was passed on to the committee. Further information on this will be forwarded as it is made available.)

Even though there were a few problems that can be handled the next time, over all the drill went well.

The Ham Operators were thanked for their help. We were told that our communications was needed and appreciated during a disaster.

I want to THANK each and everyone of you who helped during the drill or stood by the frequency to help if needed. I apologize if I missed anyone. The list is quite long. They were Dave WDBAYE, Terry N8ATZ, Bill K8JZN, Julius K8BXD, Jim WD8OIZ, Dan N8JBB, Roger N8CXG, Jack N8LCS, Mark N8LZB, Tom N8KZZ, Smitty WD8CIB, Jim WABGXM, Chuck N8LIV, Dan N8DZM, John K8BNZ, Stan W8BNZE, Jerry KF8EB, Perry W8AU, Doris WD8IKC, Denny K8NIB, Sandy K8BFZX, Pat WB8VLK, Dick KC8OU, Wes NV8M, Steve NOCZV, Hershel K8BYMU, John K8LBZ, Larry K8RMY, Dale KF8CD, Nelson W8EAR, Steve WD8MIJ, Randy KD8JN, Frank K8EG, Dolly K8MNU, Donny N8IVJ, Rich K8ZQH, Jon WB8FUJ, Hac N8FAR, Dave N8KVD, Gary W8BW, Ike K8YLK, Jim N8MAA, Ken K8UVU, Earl W8AIU, Joe W1FEZ, Gary WD8CIA, Mike WB8VGE, Herb WD8IPE, Everett N8EIL, Larry N8EWV, Patti K8BKH and George K8IRN.

There were almost 50 Amateurs participating in the drill from our area. Terry N8HSP was contacted in the Cleveland area on 146.82 and he had approximately 30 back-up operators available. Also Larry WD8MPV SEC, was contacted on 145.39 for his help if needed.

A very good turnout and a job well done.

Dave Beltz WDBAYE - County EC



## FOX HUNTING

When was the last time you wished you could track down the interference that was keeping you off your favorite repeater or simplex frequency? You think, "Oh Well, direction finding equipment is too complicated. Besides, you probably need to be a rocket scientist to run it". Not True! Not only is Fox Hunting a very useful activity, it is FUN!

It usually goes like this: One person is picked as the FOX. It is up to this person to plan the hunt and make sure it is well advertised. After all, what good is a fox hunt without hunters? The hunters gather at the starting point and are signed in by one of the foxes helpers. This helper will also take the starting mileage of each hunters car, pass out maps of the search area, announce the rules of the hunt and at the starting time, this ham announces the hunt frequency and calls the fox.

Once the hunt begins, you have two options to home in the fox.

1) Triangulate- Take beam headings from at least three different locations and plot these on a map. In theory, all lines should cross at the location of the fox. In practice, some headings will be reflections and even good headings may only localize the signal to within a couple of blocks.

2) Aim & shoot- Keep driving in the direction of the strongest signal.

A good "S" meter is invaluable, but good results can also be had by adjusting the squelch to the trip point and use a directional antenna to find the strongest signal. One item that I find indispensable, is some sort of attenuator. This can be as simple as a cheap antenna switch.

As you get very close to the signal, one good trick is to take the antenna off your HT and turn it around in an arc, while listening to the signal, or watching the "S" meter. The strongest signal will come when the antenna connector is aiming right at the transmitter.

As the hunters find the fox, their time is logged, as well as their ending mileage and we all stand around swapping lies about the hunt and watching everyone else straggle in.

I will be talking about fox hunting, as well as showing some various equipment that can be used for fox hunting, at the next meeting. Hope to see you there.

John WX8G

P.S.- CARC will be sponsoring a fox hunt on Sunday July 8th at 2:30 PM. All hunters or observers, should gather at the parking lot at the EOC, no later than 2:15PM. Hope to see you there.

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## MINUTES OF CARC MAY MEETING

The May 16, 1990 regular meeting of the Canton Amateur Radio Club was called to order at 7:34 PM by President Joe Vignos W1FEZ, at the Emergency Preparedness Center. A round of introductions followed with 54 members and 3 guests in attendance.

There were no additions or corrections to the minutes of the April meeting and they were approved as published. Tom Streb N8KZZ, donated the book "First Steps In Radio" to the club library.

The Treasurer reported \$6770, in the club treasury.

The President turned the meeting over to Ed Cox, for a presentation on the 911 system.

Dave Beltz WD8AYE, gave his comments and recommendations for improvements to the EOC for passing emergency traffic. These recommendations included: A larger power supply to allow multiple VHF rigs to be used. A new 2 meter rig for the club station. The Azden is hard to use when rapid frequency changes are needed. The Azden also lacks a touch tone pad. Dave also suggested that the club should run more feedlines from the roof to the shack, so that other VHF antennas can be added as they are needed in an emergency.

Frank Dearman W8TUY, reported that the trustees decided that the club purchase a new HF rig. The club decided that the rig should be the Kenwood TS-440S. Judy N8AIM, moved that the club authorize the trustees to spend \$1600.00 for the rig, internal antenna tuner, power supply and filters for SSB and CW. The motion passed.

The 50/50 drawing winner of \$21.50 is W8ECJ Bob Kline.

On a motion by Nelson Caley W8EAR, the meeting was adjourned at 9:05 PM for coffee, donuts and eyeball QSO's.

Respectfully submitted by

Sandy Shrigley KB8FZX

CARC Secretary

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## THE FEZ SEZ

June....the month that features outdoor events will be already half way into history by the time you receive the FEEDLINE, although it is now just a few days old. Hamfests, VHF Contest and the "big one" Field Day, help make June one of the most active times of the year for our fraternity.

I made my first trip to the "BREEZESHOOTERS" hamfest near Butler PA, in the company of two real "old-timers", Myrhl Lemley W8MND and Charley Scott KB8YC. We were fortunate in never quite catching up to the early morning rain that almost cancelled the trip. The turn-out was good and the weather beautiful but very windy. There seemed to be a great deal of new HIGH PRICED equipment presented by dealers, a lot of



non-ham related computer software and a tremendous amount of JUNK in the Flea Market area. What really impressed me the most had to be the great number of volunteers and the enthusiasm that they displayed in putting on this event. I didn't do well on my shopping list, so I guess I'll try again this Sunday at the "Goodyear" outing.

Contrary to the reports in the Canton Repository on the "faltered communication", we did not have to be rescued by Ohio Bell Cellular Units, which I understand did not rush to the scene but had been stationed at various positions in advance. Ed Cox reported at our last club meeting that the purpose of the drill was to test all of the emergency services and learn from the experience. From all official reports, the Amateur Radio group came through with flying colors. If there was some communication that was not provided in this drill, I would believe that it was probably not asked for by the participating group or not recognized by our planners in advance.

Last weekend's weather, brought out the Skywatch and ARES teams, on both Saturday and Sunday evenings. I understand from Bill Parks KBJZN, that he didn't secure from the Canton-Akron Weather Service until after 3:00 AM Sunday morning! I listened Sunday evening as Earl Snyder WABAU and Bill KBJZN, once again at the Weather Service, kept in touch with Dave Beltz WDBAYE and his ARES team, as they linked the various area repeaters together as the storm and tornado reports came in. It was very impressive to listen to and my congratulations and thanks go to all those who participated. Well done!

By the time you are reading this in the FEEDLINE, Field Day will be but a week away. We are still planning for it and Frank WBTUY is still in need of more volunteers to handle many of the chores. We all know that on the "big day", you will turn out to get things set up and to take a turn at operating BUT it would be much better if you would help with the pre-Field Day planning activity. One often wonders what would happen if a few of the "regulars" suggested that we pass up Field Day some year. Interesting thought that it may be, it is also a most frightening thought.

So, mark your calendar for next weekend and plan on coming on down to a jolly good time at Field Day! (The Frank Dearman Farm on Baum Road)

73's

THE FEZ

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MORE THOUGHTS ON FIELD DAY

Some of the thinking is to have a CW chairman and a Phone chairman, to recruit and schedule operators for the 24 hour period. WHAT ARE YOUR THOUGHTS????

What are your interests???? Should we have a Packet Station, A RTTY station, a Novice Station, a CW station, a Phone station. You as members have to make these decisions. And without operators!!!!!!

Come to the meeting and help with the pre-planning.



## HAMS and the NATIONAL ELECTRIC CODE

This is a paraphrased version of Article 810, Part C of the 1990 NEC which pertains to "Amateur Radio Transmitting and Receiving Equipment". Here I will highlight the most specific and/or relevant subsections. All wire and it's sizes refer to hard drawn copper wire.

Dipole wire size must never be less than 14 AWG for open spans of 150 ft or less, or 10 AWG for spans greater than 150 ft. Lead-in conductors must follow the same rules.

Feedline attached to a building must be kept at least 3" from the wall surface using nonabsorbent insulating supports. The exception is coax, only if the outer shield is properly grounded.

Feedlines and Lead-ins must be brought into the shack in one of the following ways: (1) Through an insulating tube or bushing, (2) Through a dedicated opening with a minimum clearance of 2", (3) Through a drilled window pane. The exception is coax, only if the outer shield is properly grounded.

Lead-ins and feedlines must be located so as to make accidental contact with them difficult.

Each conductor in an antenna system must include a static discharge unit or its equivalent. Exceptions: (1) Properly grounded coax, (2) An effectively grounded antenna system.

The protective grounding conductor must be as large as the lead-in/feedline, but not smaller than 10 AWG.

The operating grounding conductor must not be smaller than 14 AWG.

All feedline/lead-ins must be at least 4" from house wiring. Exception: If either is in conduit.

The transmitter must be enclosed in a grounded metal frame or grill.

All accessible metal controls must be effectively grounded.

Remember, if any of these are not followed, an insurance company may not pay a fire damage claim if your shack was the cause. At the very least, if you build your own shack and an inspector comes by, it will definitely not pass muster!

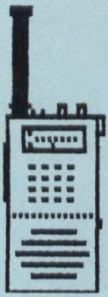
Submitted by - Mark N8LZB



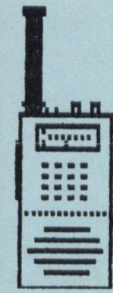
DIRECTORY UPDATE - INCLUDING CARC MEMBERS  
COMPILED BY BILL KBJZN

CALL	FIRST NAME	LAST NAME	ADDRESS	CITY	ZIP	PHONE
AABAU	JESSE A	FELTY	6098 WILLOWDALE SE	WAYNESBURG	44688	484-5230
KBSAXA	ROBERT	GODFREY	SILENT KEY			
WD8BHJ	MARJORIE M	BAUER	2026 VERNON ST	MISSION TX	78572	581-1686
KABCDJ	TRACY A	POULSON	MOVED TO WINCHESTER VA		703-	665-1654
WD8CRA	FREDERICK J	BAUER	2026 VERNON ST	MISSION TX	78572	581-1686
WD8CTZ	JAMES L	YERKEY JR	5568 BROADWAY AVE NE	LOUISVILLE	44641	
WD8DCI	KARL E	FRANCE	919 10TH ST NE	MASSILLON	44646	833-1896
KABDHQ	EDWARD	HELFRICK	SILENT KEY			
KBBDNQ	DOUGLAS S	MATTHEW	35 MANITO TRAIL	MALVERN	44644	863-1462
KBDRS	ROBERT E	VANNOSTRAN	SILENT KEY			
KBBDS	DR CARL J	BUSCH	3737 MOUNTVIEW AVE	ALLIANCE	44601	821-0397
KFBEB	JERRY A	LAROCCA	5855 VANTAGE HILL NW	MASSILLON	44646	832-5963
KBBGAG	ROBERT S	RICKARD	12446 ROCKHILL NE	ALLIANCE	44601	823-4613
N8IBN	DEBBIE	BRADLEY	MOVED TO W VA			
N8IEK	STEVE	KRAMER	6702 ALABAMA AVE SW	NAVARRE	44662	767-3030
KBBIMT	BYRON E	BERGER	143 BROAD AVE NW APT 3	CANTON	44708	454-5526
KBBIQY	DANIEL A	MUTIGLI	NOW N8LVO			
KBBIQZ	CHUCK B	BENCH	12574 GREENBOWER ST NE	ALLIANCE	44601	821-3138
KBBIRN	GEORGE	DRAGOVICH JR	1350 TINKER BELLE CIR	UNIONTOWN	44685	877-6295
KBBIRO	ANDREW T	CAMPBELL	935 GREEN AVE SW	MASSILLON	44647	832-9092
KBBIRP	SCOTT A	DUNCAN II	1035 LILLIAN ST SW	CANTON	44706	484-5321
KBBIVS	MARY ANN	ROYER	6255 SANDLEWOOD AVE NE	NORTH CANTON	44721	492-0703
KBBIYI	JAMES A	MILLER	NOW N8MAA			
KBBIYT	BRUCE P	DUNN	7600 PORTAGE AVE NW	MASSILLON	44646	499-8764
KBBJBP	GREGORY S	MCINNES	718 BERNARD SW	MASSILLON	44647	833-4891
KBBJCF	DONALD E	ACKERMAN	340 WATER ST - BOX 99	BOLIVAR	44612	874-3117
KBBJCO	EDWARD A	YINGLING	5074 ERIE AVE NW	CANAL FULTON	44614	854-4172
KBBJEG	THOMAS W	GURLEY	1495 LIMONIS ST	UNIONTOWN	44685	877-3176
KBBJIE	ROBERT M	SHEARER	6537 SMITH KRAMER ST NE	HARTVILLE	44632	
KBBJLJ	PAUL H	WHARTON	251 EDEN AVE NW	MASSILLON	44646	477-4211
KBBJOO	CHARLES S	MOORE	1725 ALABAMA AVE SW	DALTON	44618	833-2763
KBBKAM	JARROD S	KINSLEY	1127 SPANGLER RD NE	CANTON	44714	453-9652
WBBKLC	ROBERT G	HERMAN	5633 ASPEN VALLEY DR	NORTH CANTON	44721	492-0905
N8LDT	HAROLD	SMITH	6301 MEADE AVE NE	LOUISVILLE	44641	875-8645
WBBLRF	DR BRUCE D	FERTAL	6505 ALABAMA AVE NW	CANAL FULTON	44614	854-4384
N8LVO	DANIEL A	MUTIGLI	925 E FIRST ST	MINERVA	44657	868-6610
N8LZB	MARK	WARRINGTON	7085 HILLRIDGE AVE NE	NORTH CANTON	44721	493-1929
N8LZC	MARK A	DEFFENBAUGH	8272 TRAPHAGEN NW APTG	MASSILLON	44646	830-1038
N8MAA	JAMES A	MILLER	413 WOODARD AVE	LOUISVILLE	44641	875-2629
K8MZS	CHARLES J	REX	SILENT KEY			
K8NLI	HAROLD	GETTLE	SILENT KEY			
KABPAZ	DEBORAH B	PORTER	804 BAYBERRY NW	MASSILLON	44646	837-0158
KABPBA	JAMES R	PORTER	804 BAYBERRY NW	MASSILLON	44646	837-0158
WD8RUQ	ARLENE K	SCHONTZ	4114 BONNIE DRIVE	MALVERN	44644	863-2568
WD8SDN	JESSE A	FELTY	NOW AABAU			
K8UCN	SCOTTY	MUSGRAVE	3825 WADSWORTH RD	NORTON	44203	825-2030
KABWER	JERRY	LAROCCA	NOW KFBEB			
KABYMU	HERSHEL D	CHENAULT	2772 LOMBARDI AVE SW	CANTON	44706	477-9452
WA9CNV	PAULINE F	COURSE	6688 MEESE ROAD	ALLIANCE	44601	875-8335


















# JULY 1990 CANTON ARC



S M T W T F S

1  MUTUAL AID NET AVIATION DAYS	2	3  ARES 7PM SDXA 8PM	4   CFARC K8BNR BD INDEPENDENCE DAY QCWA NET	5  ESCARES 9PM TUSCO RC ALLN RC	6  MARC 8PM	7
8  MUTUAL AID NET FOX HUNT EOC  BOWLING GREEN HAMFEST	9   ELYRIA RC KC8OU BD	10  ARES 7PM TRUSTEE'S MTG	11  QCWA NET	12   ESCARES 9PM GARC N8IAK BD	13   W8AIU ANNI WC8W BD	14
15   MUTUAL AID NET KD8UJ BD	16   NOARS W8ADA BD	17   ARES 7PM B&W RC K8OBW BD	18   CARC 7:30PM CFARC	19  ESCARES 9PM TUSCO & SARA	20	21  NOARSFEST WELLINGTON
22  MUTUAL AID NET VAN WERT OH HAMFEST	23	24   ARES 7PM LEARR W8FRB BD	25   PORTAGE RC W8MSE ANNI QCWA NET	26   ESCARES 9PM K8LBZ ANNI	27	28   WD8IKC BD N8AJU BD N8FEB BD GOODYEAR EXAM
29   MUTUAL AID NET KICKOFF PARADE W8AKU ANNI	30	31  ARES 7PM				